<u>STepped Enhancement of PTSD Services</u> <u>Using Primary Care (STEPS UP)</u>

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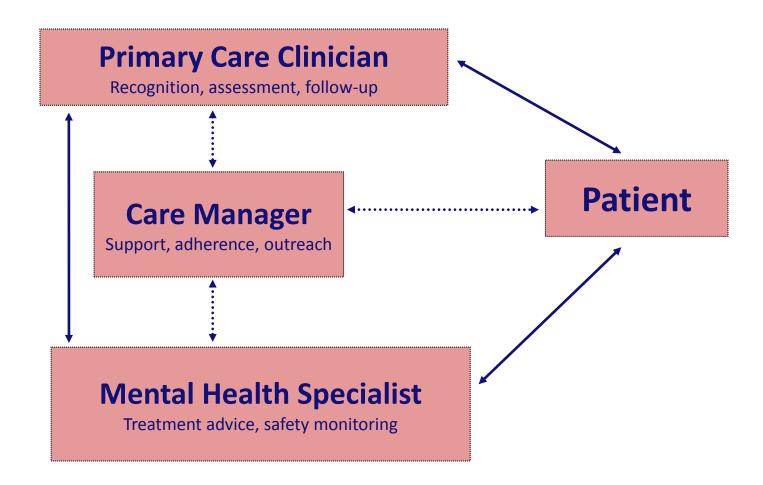
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What is STEPS UP?







STEPS-UP versus RESPECT-Mil

- **Adds** the option for centralized, telephone-based care management which improves:
 - Fidelity of intervention delivery through ongoing training and supervision and
 - Continuity of care as care management can continue if a service member changes post or healthcare system.
- Adds care manager training in motivational interviewing (MI) and behavioral activation (BA) strategies to improve:
 - Engagement in treatment and
 - Tools for early intervention.





STEPS UP versus RESPECT-Mil

- **★** Adds preference-based stepped care (i.e., order of steps determined by symptom severity, patient preference, & primary care recommendation) to existing options of pharmacotherapy that includes:
 - Web-based psychoeducation, self-management, and intervention;
 - Telephone delivered cognitive behavioral therapy;
 - Individual face to face therapy by a behavioral health specialist.
- ★ <u>Adds</u> enhancements to existing case management software (FIRST-STEPS). Improves efficiency and delivery of
 - Clinical supervision and patient staffing/disposition,
 - Risk assessment,
 - Case management, and
 - STEPS UP interventions





STEPS-UP Overview

Go to / Start at Next Step

- Patient Preference
- Clinically Indicated
- Inadequate Response to Prior Steps
- Clinical Risk of Harm to Self/Others
- Complicating Clinical Features

Care Management + Primary Care + Local Specialist

Specialty Mental Health (e.g., psychiatrist, psychologist, MSW) Co-located in PC Clinic (Preferable) or in BH Clinic

STEP 3

Care Management + Primary Care

Medication and/or Distance Cognitive Behavioral Therapy

Web (DESTRESS-PC & Beating the Blues)

PRN Motivational Interviewing for Treatment Adherence

Telephone (DESTRESS-T)

STEP 2

Care Management and Connection To Services

Outreach and Engagement
Patient Preference and Education
Behavioral Activation and Pleasant Event Scheduling
Motivational Interviewing for Treatment Engagement

Hypotheses

- **★** Among soldiers in primary care with possible depression or PTSD, STEPS UP will improve
 - PTSD & depression symptom severity (primary)
 - Anxiety, somatic symptom severity, alcohol misuse, mental health
 & work-related functioning (secondary)
- **★ STEPS UP will also be**
 - Cost-effective relative to optimized usual care
 - An acceptable and satisfactory treatment package to soldiers, families, and clinic providers & staff





General STEPS UP Trial Features

- **★** Target enrollment is 1500 soldiers
- **★** 6 Army Posts (18 primary care clinics; all power projection platforms; 250 participants from each post)
- ★ Randomized to STEPS UP or Optimized Usual Care (which includes RESPECT-MIL)
- **★** Assessments at baseline, 3 month, 6 month, and 12 month follow-up





Eligibility Criteria

★ Inclusion criteria:

- AD at time of enrollment
- Screen positive for PTSD or Depression
- Deployment to Iraq or Afghanistan since 2003
- Access to computer and email

★ Exclusion criteria:

- Treatment refractory for PTSD or depression
- Alcohol dependence in past 12 months
- Other severe mental illness in past 2 years (e.g., psychosis)
- Active SI past 2 months
- Unstable physical condition
- Clinic employees
- Anticipated deployment, demobilization, or separation in next 6 months



STEPS UP "Audibles"

- Post-funding design changes and considerations
- Beat the very active control group
 - Is more always better, or is more, more complicated?
 - Less than minimal dose to reach the masses
 - No measure of passage of time or pre R-Mil usual care: should we add another arm?



- STEPS UP +						
Lose—no UC outcomes	Win					
Lose	Draw—no UC outcomes					





STEPS UP "Audibles"

★ Include Soldiers with Depression

- ~834k visits to R-Mil between Feb 2007 and Dec 2010
 - **☆** Depression only: 20,596 (2.5% of screened visits, 19.4% of positive screens)
 - **↑** PTSD only: 12,157 (1.5% of screened visits, 11.5% of positive screens)
 - ★ Both PTSD and Depression: 17,979 (2.2% of screened visits, 17.0% of positive screens)
- Collaborative care works for depression
- Components of treatments are similar (e.g., SSRI's; possibly BA)
- Larger participant pool
- We can keep the STEPS UP acronym by saying that 'PTSD Services' includes care for depression without too much of a stretch.





Status of STEPS UP

- Currently Under Regulatory Review
 - Primary IRB Reviews
 - **☆** Walter Reed (lead IRB)
 - ☆ 6 site data collection sites
 - RTI, RAND, UW, and VA Boston
 - Second Level IRB Reviews and Other Regulatory Organizations
 - ★ USUHS & HRPO
 - ☆ DCoE & HJF
- **★** Umbrella Agreement
 - HJF, RTI, & RAND
 - DoD made 3 separate awards
- Development of IT Infrastructure
 - Advanced data collection system
 - Enhancements of FIRST-STEPS







DESTRESS-PC

- ★ <u>DE</u>livery of <u>Self-Training & <u>E</u>ducation for <u>Stressful</u>
 <u>Situations</u>, <u>Primary <u>Care version</u>
 </u></u>
- **★** Web-based, nurse assisted PTSD self-management
- ★ Effective in one controlled trial; second nearing completion
- **★** Adapted for primary care use
- ★ Designed for military/veteran
- ★ Nurse (RN) guided
- **★** Six weeks long & three logins per week





DESTRESS-PC Approach

- **★** CBT & stress inoculation training
- **★** Components:
 - Coping skill building
 - Self-monitoring of arousal & negative affect
 - Anticipation of & practice for symptom triggers
 - Focus on work, family, and leisure functions
 - Promotes engagement in previously avoided activities
- **★** Nurse monitors progress & homework completion
- ★ Nurse checks in by phone every other week with additional phone contact as indicated





Beating the Blues

- ★ Web-based treatment for depression
- ★ Published results supporting its use in primary care settings
- **★** Used in the UK's NHSs; new US contract with UPMC
- ★ Combines multi-media interactive computer technology with cognitive behavioral techniques
- **★** 8 weekly 50-minute sessions
- **★** Homework assignments





Telephone CBT for PTSD: DESTRESS-T

- **★** Adaptation of DESTRESS, modified for person-toperson telephone administration
- ★ 6 to 9 week program involving weekly 50 minute person-to-person telephone contacts with a closely supervised nurse (RN)
- ★ Calls focus on web-based exercises and homework used in DESTRESS-PC as well as how to apply DESTRESS-T skills to current difficulties.





Telephone CBT for PTSD: DESTRESS-T

For soldiers who...

- **★** Desire a more interpersonal mode of treatment than DESTRESS-PC
- ★ Require more active interpersonal involvement to complete the DESTRESS logons and homework
- **★** Experience incomplete or inadequate response to DESTRESS-PC





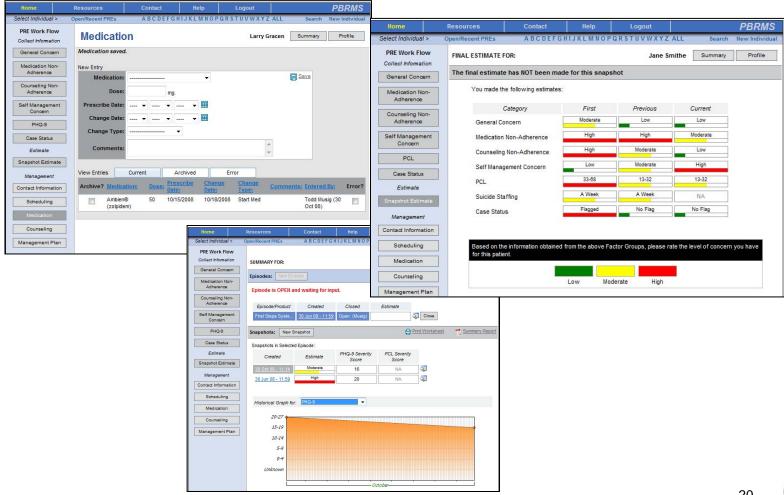
Web-Based Enhanced Care Management Tracking: FIRST-STEPS

- ★ Fast Informatics Risk & Safety Tracker and Stepped Treatment Entry & Planning System
- ★ DoD-approved software designed to manage symptoms, treatment response, and risk
- ★ Located on a secure system which uses technology similar to that used to protect credit card information in e-commerce applications
- Currently used in RESPECT-Mil sites and facilitates the monitoring of patient symptoms and supervision sessions
- ★ Provides clinicians with the ability to document and monitor suicide risk, providing a set of standardized questions





FIRST-STEPS — Web-based Care-Manager Support & Reporting System



FIRST-STEPS — Improves Efficiency, Accountability & Effectiveness of Staffing

Home	Resources	Cont	Contact Help		Logout		PBRMS		
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Acuity					IMPORTA Welcome				REVIDENCE vidence Risi
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Fort Hood	April, Test	Unknown	Mo	derate	30-60 Days		No		25 Apr 08
Germany 1	Braxton, Bruce	Emergency	ergency H				No]	12 Aug 08
Beta Fort Stewart	Frankie, Bill	A Duty Day	1	High	60-90 Days	No		2 Oct 08	2 Oct 08
Beta Fort Bliss	Harry, Dirty	A Duty Day		High	Not Deploying		No		20 Oct 08
Fort Drum	New, Tom	A Duty Day	Un	known			No		24 Apr 07
Fort Carson	Turner, Bill	A Duty Day	Un	known			No		20 Apr 07
Vicenza	Violet, Eric	A Duty Day	Un	known			No		19 Apr 07
Fort Lewis	Wilking, Sarah	A Duty Day	Un	known			No		19 Apr 07

DoD "STEPS UP"

STepped

Enhancement of

PTSD

Services

Using Primary Care

A 6-site (18 clinic) RCT comparing 12-months of a system of collaborative PTSD and depression care versus usual primary care in the DoD health care system.

Supported by a DoD grant (DR080409) from the Congressionally-Directed Medical Research Program (CDMRP)





Features of STEPS-UP Intervention

Preference-Based Stepped Care

- ★ Menu of evidence-based options sequenced by negotiated patient & provider preferences
- ★ Stepped pharmacotherapy for PTSD & comorbidities
- **★** Enhanced primary care psychosocial options:
 - Web-based nurse assisted selfmanagement
 - Telephone CBT
 - Specialty-based CBT
 - Specialty-based exposure

Centralized Care Management

- ★ Care management is telephonic using RNs
- **★** Central facility affords
 - Scalability & economy of scale
 - Fidelity training & monitoring
 - Assisted system transitions
- ★ Site-based clinic enhancements
 - Guided PC doc with enhanced pharmacotherapy expertise
 - Guided specialist with enhanced PTSD psychotherapy expertise
- ★ Web-based care management



